AMENDMENTS TO SPECIFICATION

Replace the paragraphs beginning on page 8, lines 2-8, with the following:

~~Fig. 2 is a diagram~~ Figs. 2(a) and 2(b) are diagrams representing the spectrum of a correlative intensity image;

~~Fig. 3 is a~~ Figs. 3(a) through 3(c) are schematic [[view]] views showing polar coordinate conversion;

~~Fig. 4 is a drawing~~ Figs. 4(a) through 4(c) illustrate an example of polar coordinate conversion where a point on the contour of an image on the X-Y plane is used as an origin;

Replace the paragraphs beginning on page 8, line 19, through page 9, line 2, with the following:

~~Fig. 10 is an~~ Figs. 10(a) through 10(c) are explanatory ~~diagram~~ diagrams representing an example of image search processing;

~~Fig. 11 is an~~ Figs. 11(a) through 11(c) are explanatory ~~diagram~~ diagrams representing an example of searching the same object as the reference image in the field of view for the sample;

~~Fig. 12 is an~~ <u>Figs. 12(a) through 12(d) are</u> explanatory ~~diagram~~ <u>diagrams</u> representing an example of processing wherein an object having the same profile as that of the specified object is searched in the field of view for the sample;

Replace the paragraphs beginning on page 9, lines 5-11, with the following:

~~Fig. 14 is a diagram~~ <u>Figs. 14(a) and 14(b) are diagrams</u> representing a transmission image where the origin for polar coordinate conversion is indicated; and

~~Fig. 15 is a diagram~~ <u>Figs. 15(a) and 15(b) are diagrams</u> representing a transmission image where the origin for polar coordinate conversion is indicated on the image having been subjected to binarization.